Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/30/2019 09:39 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123034	-2	2.60	122870	2.72
Blue	F	SSC	125000	123588	-2	4.54	124318	4.53
Blue	E	FITC	16694	16349	-3	4.37	377	21.51
Blue	D	PE	32792	32112	-3	3.56	706	16.13
Blue	B	PerCP-Cy5-5	44451	44433	-1	5.40	1211	22.81
Blue	A	PE-Cy7	33645	34659	3	7.56	624	48.13
Red	C	APC	47008	46587	-1	3.48	1796	13.32
Red	A	APC-Cy7	32298	31908	-2	3.48	797	13.99
Violet	B	V450	8961	8562	-5	4.85	474	14.47
Violet	A	V500	32726	31545	-4	4.67	757	11.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20069	3.56	606	-7	N/A	N/A	Pass
Blue	F	SSC	55939	4.24	577	9	N/A	N/A	Pass
Blue	E	FITC	62	70.60	564	1	0.0163	108	Pass
Blue	D	PE	141	55.60	567	1	0.1365	280	Pass
Blue	B	PerCP-Cy5-5	224	55.60	672	1	0.0077	69	Pass
Blue	A	PE-Cy7	124	118.25	729	3	0.0090	24	Pass
Red	C	APC	412	28.78	611	-2	0.0202	186	Pass
Red	A	APC-Cy7	196	32.03	582	-3	0.0049	1370	Pass
Violet	B	V450	71	68.25	478	-8	0.0451	2252	Pass
Violet	A	V500	108	37.06	487	-9	0.0201	827	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.64	-32.38	1.13
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.48
Red	18.17	13.60 - 20.40	N/A	N/A	29.61	29.92	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 9955

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments